Available online at www.sciencedirect.com
SCIENCE DIRECT®
ELSEVIER
Nuclear Instruments and Methods in Physics Research B 212 (2003) 551–561
NIM B
Beam Interactions with Materials & Atoms
www.elsevier.com/locate/nimb

Author index

Acharya, N.K., see Kumar, R. 212 (2003) 221
Ahire, V.K., see Biswas, C. 212 (2003) 297
Amirthapandian, S., B.K. Panigrahi, A.K. Srivastava, A. Gupta, K.G.M. Nair, R.V. Nandedkar and A. Narayanasamy, Irradiation induced metastable phase formation in thermally immiscible Co–Ag multilayers 212 (2003) 140
Andersen, H.H., A. Johansen, M. Olsen and V. Touboltsev, Gold-cluster ranges in aluminium, silicon and copper 212 (2003) 56
Antony, B.K., see Vinodkumar, M. 212 (2003) 63
Arezki, B., A. Delcorte, A.C. Chami, B.J. Garrison and P. Bertrand, Gold-thiolate cluster emission from SAMs under keV ion bombardment: Experiments and molecular dynamics simulations 212 (2003) 369
Arezki, B., see Delcorte, A. 212 (2003) 414
Arora, B.M., see Nair, G.P. 212 (2003) 535
Asai, K., see Koshimizu, M. 212 (2003) 376
Ashkenazy, Y., see Mayr, S.G. 212 (2003) 246
Asokan, K., see Jayavel, P. 212 (2003) 496
Assmann, W., see Toulemonde, M. 212 (2003) 346
Assmann, W., see Ghosh, S. 212 (2003) 431
Aumayr, F., see Winter, H. 212 (2003) 45
Auth, C., see Winter, H. 212 (2003) 45
Avasthi, D.K., see Som, T. 212 (2003) 206
Avasthi, D.K., see Bajwa, N. 212 (2003) 233
Avasthi, D.K., see Kumar, S. 212 (2003) 238
Avasthi, D.K., see Kumar, S. 212 (2003) 242
Avasthi, D.K., see Tripathi, A. 212 (2003) 402
Avasthi, D.K., see Ghosh, S. 212 (2003) 431
Avasthi, D.K., see Nageswara Rao, S.V.S. 212 (2003) 442
Avasthi, D.K., see Gupta, A. 212 (2003) 458
Avasthi, D.K., see Nageswara Rao, S.V.S. 212 (2003) 473
Avasthi, D.K., see Nageswara Rao, S.V.S. 212 (2003) 545
Averback, R.S., see Mayr, S.G. 212 (2003) 246
Ayyub, P., see Som, T. 212 (2003) 151
Ayyub, P., see Som, T. 212 (2003) 206
Ayyub, P., see Ghosh, A. 212 (2003) 510
Azarov, A.Yu., see Titov, A.I. 212 (2003) 169
Azuma, T., Y. Takabayashi, T. Ito, K. Komaki, Y. Yamazaki, E. Takada and T. Murakami, Convoy electron emission from resonant coherently excited 390 MeV/u hydrogen-like Ar ions 212 (2003) 397

Baghdasaryan, K.S., see Grigoryan, L.Sh. 212 (2003) 51
Bagwe, V.C., see Wanchoo, S.K. 212 (2003) 539
Bajwa, N., A. Ingale, D.K. Avasthi, R. Kumar, K. Dharamvir and V.K. Jindal, Substrate effect on structural modification of C_{60} induced by 110 MeV Ni ion 212 (2003) 233
Bajwa, N., see Tripathi, A. 212 (2003) 402
Baldo, P.M., see Rehn, L.E. 212 (2003) 326
Banerjee, D., see Ghosh, A. 212 (2003) 510
Banik, S., see Biswas, C. 212 (2003) 297
Baragiola, R.A., see Riccardi, P. 212 (2003) 339
Barman, S.R., see Biswas, C. 212 (2003) 297

doi:10.1016/S0168-583X(03)02045-7

Barone, P., see Riccardi, P. ... 212 (2003) 339
Beknazarov, M., S. Blazhevich and V. Grishin, Deformation of relativistic electron radiation spectra under conditions of multiple production of photons ... 212 (2003) 82
Belekar, M.M., see Nair, G.P. ... 212 (2003) 535
Belyakov, V.S., see Titov, A.I. ... 212 (2003) 169
Bera, S., D.K. Goswami, K. Bhattacharjee, B.N. Dev, G. Kuri, K. Nomoto and K. Yamashita, Ion irradiation induced impurity redistribution in Pt/C multilayers ... 212 (2003) 530
Berényi, D., see Sulik, B. ... 212 (2003) 32
Bertrand, P., see Arezki, B. ... 212 (2003) 369
Bhatt, G., see Chauhan, A.R. ... 212 (2003) 451
Bhattacharjee, K., see Bera, S. ... 212 (2003) 530
Bhattacharyya, S.R., see Datta, D. ... 212 (2003) 201
Bhattacharyya, S.R., see Datta, D. ... 212 (2003) 216
Bhole, K.G., B.A. Kamalapurkar, S.K. Dubey, A.D. Yadav, T.K. Gundu Rao, T. Mohanti and D. Kanjilal, High-energy ion implantation of iron in silicon ... 212 (2003) 525
Birtcher, R.C., see Rehn, L.E. ... 212 (2003) 326
Biswas, C., A.K. Shukla, S. Banik, V.K. Ahire and S.R. Barman, XPS and LEED study of Argon bombarded Al(1 1 1) surface ... 212 (2003) 297
Blazhevich, S., see Beknazarov, M. ... 212 (2003) 82
Blazhevich, S.V., G.L. Bochek, V.I. Kulibaba, N.I. Maslov, N.N. Nasonov and B.I. Shramenko, Orientation effects in angle distribution of the relativistic electron radiation in single crystals ... 212 (2003) 88
Boatner, L.A., see Feldman, L.C. ... 212 (2003) 1
Bochek, G.L., see Blazhevich, S.V. ... 212 (2003) 88
Bogomolova, L.D., A.M. Borisov, V.A. Kurnaev and E.S. Mashkova, Modification of graphite surface layers by nitrogen ion irradiation ... 212 (2003) 164
Bolse, W., see Kumar, S. ... 212 (2003) 242
Bonanno, A., see Riccardi, P. ... 212 (2003) 339
Borisov, A.M., see Bogomolova, L.D. ... 212 (2003) 164
Bräuning, H., see Hathiramani, D. ... 212 (2003) 67

Canepa, M., see Pasquali, L. ... 212 (2003) 274
Carstanjen, H.D., see Tripathi, A. ... 212 (2003) 402
Chakraborty, P., see Sarkar, S. ... 212 (2003) 364
Chami, A.C., see Arezki, B. ... 212 (2003) 369
Chandrasekaran, K.S., see Nair, G.P. ... 212 (2003) 535
Chauhan, A.R., G. Bhatt, A.D. Yadav, S.K. Dubey and T.K. Gundu Rao, Synthesis of silicon oxynitride layers by dual ion-implantation and their annealing behaviour ... 212 (2003) 451
Chauhan, R.S., see Kumar, S. ... 212 (2003) 238
Chauhan, R.S., see Kumar, S. ... 212 (2003) 242
Chini, T.K., D.P. Datta, B. Satpati, M. Tanemura and F. Okuyama, Redistribution of Er implanted into Si(1 0 0): Correlation with implantation induced damage ... 212 (2003) 477
Choi, B.-S., see Ramana, C.V. ... 212 (2003) 465
Cortona, P., see Pasquali, L. ... 212 (2003) 274

Datta, D. and S.R. Bhattacharyya, Role of interface modifications in ion-sputtering mechanism of gold thin films ... 212 (2003) 201
Datta, D. and S.R. Bhattacharyya, Study of dose effects on Au–Ni bilayers mixing by 300 keV Kr ions ... 212 (2003) 216
Datta, D.P., see Chini, T.K. ... 212 (2003) 477
De, U., see Kumar, R. ... 212 (2003) 221
De, U., K.C. Verma, P. Karmakar, A. Sarkar, S. Dey and S. Verma, Resonance scattering and RBS from non-stoichiometric oxides ... 212 (2003) 505
Delcorte, A., see Arezki, B. ... 212 (2003) 369
Delcorte, A., B. Arezki and B.J. Garrison, Matrix and substrate effects on the sputtering of a 2 kDa molecule: Insights from molecular dynamics ... 212 (2003) 414
Dev, B.N., Editorial ... 212 (2003) vii
Dev, B.N., see Satpati, B. ... 212 (2003) 157

Dev, B.N., see Som, T. ... 212 (2003) 206
Dev, B.N., see Goswami, D.K. ... 212 (2003) 253
Dev, B.N., see Rundhe, M. ... 212 (2003) 314
Dev, B.N., see Satpati, B. ... 212 (2003) 332
Dev, B.N., see Nageswara Rao, S.V.S. ... 212 (2003) 442
Dev, B.N., see Bera, S. ... 212 (2003) 530
Dey, S. and S. Varma, Damage and substitution anomalies for MeV Sb implantation in Si(1 0 0) after high-energy irradiation ... 212 (2003) 146
Dey, S. and S. Varma, Substitution and diffusion behaviour of MeV implanted Sb in Si(1 0 0) after carbon irradiation ... 212 (2003) 228
Dey, S., see De, U. ... 212 (2003) 505
Dharamvir, K., see Bajwa, N. ... 212 (2003) 233
Dogra, A., M. Singh, V.V. Siva Kumar, N. Kumar and R. Kumar, Irradiation effect on dielectric properties of $NiMn_{0.05}Ti_x(Zn, Mg)_yFe_{1.95-2x}O_4$ ferrite thin films ... 212 (2003) 184
Dogra, A., M. Singh, N. Kumar, P. Sen and R. Kumar, Mössbauer studies of 190 MeV Ag ion irradiated $NiMn_{0.05}Ti_xMg_yFe_{1.95-2x}O_4$ ferrite ... 212 (2003) 190
Drozdov, V.A., D.O. Eremenko, O.V. Fotina, G. Giardina, F. Malaguti, S.Yu. Platonov, A. Uguzzoni and O.A. Yuminov, Decay time characteristics of the U-like excited nuclei ... 212 (2003) 501
Drozdov, V.A., see Yuminov, O.A. ... 212 (2003) 516
Duan, J., see Sun, Y. ... 212 (2003) 211
Dubey, S.K., see Chauhan, A.R. ... 212 (2003) 451
Dubey, S.K., see Bhole, K.G. ... 212 (2003) 525
Dubus, A., see Pauly, N. ... 212 (2003) 386
Dubus, A., see Pauly, N. ... 212 (2003) 391

Eichhorn, F., see Nageswara Rao, S.V.S. ... 212 (2003) 442
Emfietzoglou, D., M. Moscovitch and A. Pathak, Inelastic cross-sections of energetic protons in liquid water calculated by model dielectric functions and optical data ... 212 (2003) 101
Eremenko, D.O., see Drozdov, V.A. ... 212 (2003) 501
Eremenko, D.O., see Yuminov, O.A. ... 212 (2003) 516
Esaulov, V.A., see Guillemot, L. ... 212 (2003) 20
Esaulov, V.A., see Pasquali, L. ... 212 (2003) 274

Fainberg, Yu.A., see Novikov, N.V. ... 212 (2003) 96
Fearick, R.W., From the Langevin model to the diffusion model of axial channeling ... 212 (2003) 77
Feldman, L.C., G. Lüpke, N.H. Tolk, R. Lopez, R.F. Haglund Jr., T.E. Haynes and L.A. Boatner, Particle–solid interactions and 21st century materials science ... 212 (2003) 1
Fotina, O.V., see Drozdov, V.A. ... 212 (2003) 501
Fotina, O.V., see Yuminov, O.A. ... 212 (2003) 516
Funk, L., see Rehn, L.E. ... 212 (2003) 326

Gao, H.J., see Liu, J. ... 212 (2003) 303
Garrison, B.J., see Arezki, B. ... 212 (2003) 369
Garrison, B.J., see Delcorte, A. ... 212 (2003) 414
Ghose, D., see Karmakar, P. ... 212 (2003) 358
Ghose, D., P. Karmakar and E. Parilis, Evidence of Coulomb explosion sputtering of ultra-thin Pt films due to impact of multi-charged Ar ions ... 212 (2003) 420
Ghosh, S., P. Ayyub, N. Kumar, S.A. Khan and D. Banerjee, In situ monitoring of electrical resistance of nanoferrite thin film irradiated by 190 MeV Au^{14+} ions ... 212 (2003) 510
Ghosh, S., see Kabiraj, D. ... 212 (2003) 135
Ghosh, S., see Som, T. ... 212 (2003) 206
Ghosh, S., D.K. Avasthi, T. Som, A. Tripathi, S.K. Srivastava, F. Grüner and W. Assmann, Ion velocity, charge state and substrate dependent electronic sputtering of fullerene ... 212 (2003) 431
Giardina, G., see Drozdov, V.A. ... 212 (2003) 501

Gnaser, H., Formation of molecular doubly charged anions in sputtering ... 212 (2003) 407
Goswami, D.K., see Satpati, B. ... 212 (2003) 157
Goswami, D.K. and B.N. Dev, Observation of smoothing and self-affine fractal roughness on MeV ion-irradiated Si surfaces ... 212 (2003) 253
Goswami, D.K., see Satpati, B. ... 212 (2003) 332
Goswami, D.K., see Bera, S. ... 212 (2003) 530
Grigoryan, L.Sh., A.H. Mkrtchyan, H.F. Khachatryan, W. Wagner, A.A. Saharian and K.S. Baghdasaryan, On the amplification of radiant energy during channeling in acoustically excited single crystal ... 212 (2003) 51
Grishin, V., see Beknazarov, M. ... 212 (2003) 82
Groetzschel, R., see Nageswara Rao, S.V.S. ... 212 (2003) 442
Grüner, F., see Toulemonde, M. ... 212 (2003) 346
Grüner, F., see Ghosh, S. ... 212 (2003) 431
Guillemot, L., V.A. Esaulov and E.A. Sanchez, Channelling and stopping of hydrogen and fluorine ions in grazing scattering on an Ag(1 1 0) surface at low keV energies and effects of oxygen adsorption ... 212 (2003) 20
Gundu Rao, T.K., see Chauhan, A.R. ... 212 (2003) 451
Gundu Rao, T.K., see Bhole, K.G. ... 212 (2003) 525
Gupta, A., see Amirthapandian, S. ... 212 (2003) 140
Gupta, A., see Som, T. ... 212 (2003) 206
Gupta, A., C. Meneghini, A. Saraiya, G. Principi and D.K. Avasthi, Depth selective XANES study of swift heavy ion irradiation effects in metal/Si systems ... 212 (2003) 458

Haglund Jr., R.F., see Feldman, L.C. ... 212 (2003) 1
Haruyama, Y., see Ogawa, H. ... 212 (2003) 27
Hathiramani, D., P. Scheier, H. Bräuning, R. Trassl, E. Salzborn, L.P. Presnyakov, A.A. Narits and D.B. Uskov, Investigation of fullerene ions in crossed-beams experiments ... 212 (2003) 67
Haynes, T.E., see Feldman, L.C. ... 212 (2003) 1
Heiland, W., see Scheer, J.A. ... 212 (2003) 291
Hellhammer, R., see Sulik, B. ... 212 (2003) 32
Hou, M., see Sun, Y. ... 212 (2003) 211
Hou, M.D., see Liu, J. ... 212 (2003) 303
Hutchison, R., see Ramana, C.V. ... 212 (2003) 465

Ichikawa, S., see Jeong, S.C. ... 212 (2003) 483
Ila, D., see Nageswara Rao, S.V.S. ... 212 (2003) 442
Ingale, A., see Bajwa, N. ... 212 (2003) 233
Insepov, Z.A., see Terasawa, M. ... 212 (2003) 436
Ishiyama, H., see Jeong, S.C. ... 212 (2003) 483
Ito, T., see Azuma, T. ... 212 (2003) 397
Iwase, A., see Jeong, S.C. ... 212 (2003) 483

Jain, R.K., see Nageswara Rao, S.V.S. ... 212 (2003) 473
Jasudasan, J., see Wanchoo, S.K. ... 212 (2003) 539
Jayavel, P., see Santhakumar, K. ... 212 (2003) 197
Jayavel, P., K. Santhakumar and K. Asokan, Studies on the nitrogen ion irradiation induced defects in n-GaAs by deep level transient spectroscopy ... 212 (2003) 496
Jayavel, P., see Santhakumar, K. ... 212 (2003) 521
Jeong, S.C., I. Katayama, H. Kawakami, H. Ishiyama, H. Miyatake, M. Sataka, A. Iwase, S. Okayasu, H. Sugai, S. Ichikawa, K. Nishio, Y. Sugiyama, M. Yahagi, K. Takada and M. Watanabe, Simulation of radiotracer method for diffusion studies using short-lived radioactive nuclear beams ... 212 (2003) 483
Jin, Y., see Sun, Y. ... 212 (2003) 211
Jin, Y.F., see Liu, J. ... 212 (2003) 303
Jindal, V.K., see Bajwa, N. ... 212 (2003) 233
Johansen, A., see Andersen, H.H. ... 212 (2003) 56
Joshipura, K.N., see Vinodkumar, M. ... 212 (2003) 63

Kabiraj, D. and S. Ghosh, Metastable defects in SI-GaAs: Effect of high energy ion-irradiation 212 (2003) 135
Kabiraj, D., see Som, T. 212 (2003) 151
Kabiraj, D., see Som, T. 212 (2003) 206
Kabiraj, D., see Kumar, S. 212 (2003) 238
Kabiraj, D., see Kumar, S. 212 (2003) 242
Kadhane, U., see Singh, Y.P. 212 (2003) 72
Kamalapurkar, B.A., see Bhole, K.G. 212 (2003) 525
Kanjilal, D., see Mohanty, T. 212 (2003) 179
Kanjilal, D., see Santhakumar, K. 212 (2003) 521
Kanjilal, D., see Bhole, K.G. 212 (2003) 525
Karmakar, P. and D. Ghose, Photon emission in ion beam sputtering of an Mg target 212 (2003) 358
Karmakar, P., see Ghose, D. 212 (2003) 420
Karmakar, P., see De, U. 212 (2003) 505
Katayama, I., see Ogawa, H. 212 (2003) 27
Katayama, I., see Jeong, S.C. 212 (2003) 483
Kawakami, H., see Jeong, S.C. 212 (2003) 483
Keinonen, J., see Peltola, J. 212 (2003) 118
Keinonen, J., see Salonen, E. 212 (2003) 286
Kesavamoorthy, R., see Santhakumar, K. 212 (2003) 381
Kesavamoorthy, R., see Santhakumar, K. 212 (2003) 521
Khachatryan, H.F., see Grigoryan, L.Sh. 212 (2003) 51
Khan, S.A., see Tripathi, A. 212 (2003) 402
Khan, S.A., see Ghosh, A. 212 (2003) 510
Khan, S.A., see Nageswara Rao, S.V.S. 212 (2003) 545
Kimura, K., Ultra-fast luminescence in heavy-ion track-cores in insulators: Electron–hole plasma 212 (2003) 123
Kimura, K., see Koshimizu, M. 212 (2003) 376
Kolodziej, J.J., see Krok, F. 212 (2003) 264
Komaki, K., see Azuma, T. 212 (2003) 397
Koncz, Cs., see Sulik, B. 212 (2003) 32
Koshimizu, M., K. Asai and K. Kimura, Time-resolved luminescence spectra of electron–hole plasma in ion-irradiated CdS 212 (2003) 376
Kothari, A., see Nageswara Rao, S.V.S. 212 (2003) 545
Krok, F., J.J. Kolodziej, B. Such, P. Piatkowski and M. Szymonski, Ion beam-induced nanostructuring of InSb(0 0 1) surfaces studied with atomic force microscopy 212 (2003) 264
Kucal, H., see Toulemonde, M. 212 (2003) 346
Kulibaba, V.I., see Blazhevich, S.V. 212 (2003) 88
Kumar, M., see Tripathi, A. 212 (2003) 402
Kumar, N., see Dogra, A. 212 (2003) 184
Kumar, N., see Dogra, A. 212 (2003) 190
Kumar, N., see Ghosh, A. 212 (2003) 510
Kumar, R., see Dogra, A. 212 (2003) 184
Kumar, R., see Dogra, A. 212 (2003) 190
Kumar, R., R. Prasad, Y.K. Vijay, N.K. Acharya, K.C. Verma and U. De, Ion beam modification of CR-39 (DOP) and polyamide nylon-6 polymers 212 (2003) 221
Kumar, R., see Bajwa, N. 212 (2003) 233
Kumar, S., P.K. Sahoo, R.S. Chauhan, D. Kabiraj, U. Tiwari, D. Varma and D.K. Avasthi, Mixing in Au/Si system by nuclear energy loss 212 (2003) 238
Kumar, S., R.S. Chauhan, R.P. Singh, D. Kabiraj, P.K. Sahoo, C. Rumbolz, S.K. Srivastava, W. Bolse and D.K. Avasthi, Mixing in Cu/Ge system by swift heavy ions 212 (2003) 242
Kumar, S., see Tripathi, A. 212 (2003) 402
Kundu, S., Interface modification of Ag/Co system: X-ray reflectivity study 212 (2003) 489
Kuri, G., see Bera, S. 212 (2003) 530
Kurnaev, V.A., see Novikov, N.V. 212 (2003) 96
Kurnaev, V.A., see Bogomolova, L.D. 212 (2003) 164
Kurnaev, V.A., N.N. Trifonov and V.A. Urusov, Ion reflection from solids at sliding incidence – computer simulations versus analytical theories and experiment 212 (2003) 270
Kurth, M., see Tripathi, A. 212 (2003) 402

Lakshmi, G.B.V.S., see Tripathi, A. ... 212 (2003) 402
Lakshmi, G.B.V.S., see Nageswara Rao, S.V.S. ... 212 (2003) 545
Lang, M., see Müller, C. ... 212 (2003) 318
Lederer, S., see Winter, H. ... 212 (2003) 45
Limbachiya, C.G., see Vinodkumar, M. ... 212 (2003) 63
Liu, H.W., see Liu, J. ... 212 (2003) 303
Liu, J., see Sun, Y. ... 212 (2003) 211
Liu, J., M.D. Hou, C. Trautmann, R. Neumann, C. Müller, Z.G. Wang, Q.X. Zhang, Y.M. Sun, Y.F. Jin, H.W. Liu and H.J. Gao, STM and Raman spectroscopic study of graphite irradiated by heavy ions ... 212 (2003) 303
Lopez, R., see Feldman, L.C. ... 212 (2003) 1
Lüpke, G., see Feldman, L.C. ... 212 (2003) 1

Malaguti, F., see Drozdov, V.A. ... 212 (2003) 501
Malherbe, J.B., Bombardment-induced ripple topography on GaAs and InP ... 212 (2003) 258
Mashkova, E.S., see Bogomolova, L.D. ... 212 (2003) 164
Maslov, N.I., see Blazhevich, S.V. ... 212 (2003) 88
Mathew, S., see Rundhe, M. ... 212 (2003) 314
Mattera, L., see Pasquali, L. ... 212 (2003) 274
Mayr, S.G., Y. Ashkenazy and R.S. Averback, Evolution of thin-film morphologies in metals during ion beam bombardment ... 212 (2003) 246
McCormick, A.W., see Rehn, L.E. ... 212 (2003) 326
Mehta, G.K., Accelerator based materials science research in India ... 212 (2003) 8
Mehta, S.K., see Nageswara Rao, S.V.S. ... 212 (2003) 473
Meneghini, C., see Gupta, A. ... 212 (2003) 458
Mertens, A., see Winter, H. ... 212 (2003) 45
Mertens, A., see Wethekam, S. ... 212 (2003) 308
Mieskes, H.D., see Toulemonde, M. ... 212 (2003) 346
Mishra, N.C., see Mohanty, T. ... 212 (2003) 179
Mitamura, T., see Terasawa, M. ... 212 (2003) 436
Mittal, V.K., see Tripathi, A. ... 212 (2003) 402
Miyatake, H., see Jeong, S.C. ... 212 (2003) 483
Mkrtchyan, A.H., see Grigoryan, L.Sh. ... 212 (2003) 51
Mohanti, T., see Bhole, K.G. ... 212 (2003) 525
Mohanty, T., N.C. Mishra, F. Singh, U. Tiwari and D. Kanjilal, Swift heavy ion irradiation induced modifications in sapphire ... 212 (2003) 179
Moscovitch, M., see Emfietzoglou, D. ... 212 (2003) 101
Müller, C., see Liu, J. ... 212 (2003) 303
Müller, C., K.-O. Voss, M. Lang and R. Neumann, Correction of systematic errors in scanning force microscopy images with application to ion track micrographs ... 212 (2003) 318
Muntele, C., see Nageswara Rao, S.V.S. ... 212 (2003) 442
Murakami, T., see Azuma, T. ... 212 (2003) 397
Muralidharan, R., see Nageswara Rao, S.V.S. ... 212 (2003) 442
Muralidharan, R., see Nageswara Rao, S.V.S. ... 212 (2003) 473

Nagaraja, H.S., see Tripathi, A. ... 212 (2003) 402
Nagata, S., see Tsuchiya, B. ... 212 (2003) 426
Nageswara Rao, S.V.S., A.P. Pathak, A.M. Siddiqui, D.K. Avasthi, C. Muntele, D. Ila, B.N. Dev, R. Muralidharan, F. Eichhorn, R. Groetzschel and A. Turos, Ion beam characterization and engineering of strain in semiconductor multi-layers ... 212 (2003) 442
Nageswara Rao, S.V.S., A.K. Rajam, A.M. Siddiqui, D.K. Avasthi, T. Srinivasan, U. Tiwari, S.K. Mehta, R. Muralidharan, R.K. Jain and A.P. Pathak, Ion beam induced modification of lattice strains in $In_{0.1}Ga_{0.9}As$/GaAs system ... 212 (2003) 473
Nageswara Rao, S.V.S., A. Kothari, G.B.V.S. Lakshmi, S.A. Khan, A. Tripathi, A.M. Siddiqui, A.P. Pathak and D.K. Avasthi, Development of a large area two-dimensional position sensitive $\Delta E - E$ detector telescope for material analysis ... 212 (2003) 545

Nair, G.P., K.S. Chandrasekaran, B.M. Arora, A.M. Narsale, M.M. Belekar and K.V. Sukhatankar, Reaction kinetics of annealing of high energy implantation by XRD ... 212 (2003) 535
Nair, K.G.M., see Amirthapandian, S. ... 212 (2003) 140
Nair, K.G.M., see Santhakumar, K. ... 212 (2003) 197
Nair, K.G.M., see Santhakumar, K. ... 212 (2003) 381
Nair, K.G.M., see Santhakumar, K. ... 212 (2003) 521
Nandedkar, R.V., see Amirthapandian, S. ... 212 (2003) 140
Nannarone, S., see Pasquali, L. ... 212 (2003) 274
Narayanasamy, A., see Amirthapandian, S. ... 212 (2003) 140
Narits, A.A., see Hathiramani, D. ... 212 (2003) 67
Narsale, A.M., see Nair, G.P. ... 212 (2003) 535
Narsale, A.M., see Wanchoo, S.K. ... 212 (2003) 539
Nasonov, N.N., see Blazhevich, S.V. ... 212 (2003) 88
Neumann, R., see Liu, J. ... 212 (2003) 303
Neumann, R., see Müller, C. ... 212 (2003) 318
Nishio, K., see Jeong, S.C. ... 212 (2003) 483
Nomoto, K., see Bera, S. ... 212 (2003) 530
Nordlund, K., see Peltola, J. ... 212 (2003) 118
Nordlund, K., see Tarus, J. ... 212 (2003) 281
Nordlund, K., see Salonen, E. ... 212 (2003) 286
Novikov, N.V., Ya.A. Teplova, Yu.A. Fainberg and V.A. Kurnaev, Theoretical description of fast proton scattering from steel surface under grazing incidence ... 212 (2003) 96

Ogawa, H., I. Katayama, Y. Haruyama, M. Saito, K. Yoshida, M. Tosaki and I. Sugai, Energy losses and straggling of 10 MeV/amu $C^{5+,4+}$ ions in charge state non-equilibrium region ... 212 (2003) 27
Okayasu, S., see Jeong, S.C. ... 212 (2003) 483
Okuyama, F., see Chini, T.K. ... 212 (2003) 477
Oliva, A., see Riccardi, P. ... 212 (2003) 339
Olsen, M., see Andersen, H.H. ... 212 (2003) 56

Pai, S.P., see Wanchoo, S.K. ... 212 (2003) 539
Pandey, A.C., see Tripathi, A. ... 212 (2003) 402
Panigrahi, B.K., see Amirthapandian, S. ... 212 (2003) 140
Parilis, E., see Ghose, D. ... 212 (2003) 420
Pasquali, L., M.C. Sapet, E.M. Staicu-Casagrande, P. Cortona, V.A. Esaulov, S. Nannarone, M. Canepa, S. Terreni and L. Mattera, Ag(1 0 0) surface density of states probed by metastable deexcitation spectroscopy: A comparison between experiment and theory ... 212 (2003) 274
Pathak, A., see Emfietzoglou, D. ... 212 (2003) 101
Pathak, A.P., Editorial ... 212 (2003) vii
Pathak, A.P., see Nageswara Rao, S.V.S. ... 212 (2003) 442
Pathak, A.P., see Nageswara Rao, S.V.S. ... 212 (2003) 473
Pathak, A.P., see Nageswara Rao, S.V.S. ... 212 (2003) 545
Pauly, N., A. Dubus and M. Rösler, Electron emission induced by hydrogen atoms and protons incident on aluminium: effect of the projectile charge state ... 212 (2003) 386
Pauly, N., A. Dubus and M. Rösler, Influence of charge changing processes on the forward to backward electron emission yield ratio for light ions impinging on thin metallic foils ... 212 (2003) 391
Peltola, J., K. Nordlund and J. Keinonen, Explicit phase shift factor stopping model for multi-component targets ... 212 (2003) 118
Pešić, Z., see Sulik, B. ... 212 (2003) 32
Piatkowski, P., see Krok, F. ... 212 (2003) 264
Pinto, R., see Wanchoo, S.K. ... 212 (2003) 539
Platonov, S.Yu., see Drozdov, V.A. ... 212 (2003) 501
Platonov, S.Yu., see Yuminov, O.A. ... 212 (2003) 516
Prasad, R., see Kumar, R. ... 212 (2003) 221
Presnyakov, L.P., see Hathiramani, D. ... 212 (2003) 67
Principi, G., see Gupta, A. ... 212 (2003) 458
Priselkova, A.B., see Yuminov, O.A. ... 212 (2003) 516

Rajam, A.K., see Nageswara Rao, S.V.S. ... 212 (2003) 473
Ramana, C.V., B.-S. Choi, R. Hutchison and R.J. Smith, Ion scattering studies of the formation and thermal stability of the Ti–Al interface ... 212 (2003) 465
Rao, S.V.S.N., see Tripathi, A. ... 212 (2003) 402
Ravichandran, V., see Santhakumar, K. ... 212 (2003) 197
Ravichandran, V., see Santhakumar, K. ... 212 (2003) 381
Ravichandran, V., see Santhakumar, K. ... 212 (2003) 521
Reddy, G.L.N., see Santhakumar, K. ... 212 (2003) 197
Rehn, L.E., R.C. Birtcher, P.M. Baldo, A.W. McCormick and L. Funk, Shock-wave production of nanoparticles during high-energy ion sputtering ... 212 (2003) 326
Riccardi, P., A. Sindona, P. Barone, A. Bonanno, A. Oliva and R.A. Baragiola, Bulk and surface plasmon excitation in the interaction of He^+ with Mg surfaces ... 212 (2003) 339
Rösler, M., see Pauly, N. ... 212 (2003) 386
Rösler, M., see Pauly, N. ... 212 (2003) 391
Roy, S., see Satpati, B. ... 212 (2003) 332
Rumbolz, C., see Kumar, S. ... 212 (2003) 242
Rundhe, M., S. Mathew, B.R. Sekhar and B.N. Dev, Clustering in Pb thin films on bromine-passivated Si(1 1 1) surfaces ... 212 (2003) 314

Saharian, A.A., see Grigoryan, L.Sh. ... 212 (2003) 51
Sahoo, P.K., see Kumar, S. ... 212 (2003) 238
Sahoo, P.K., see Kumar, S. ... 212 (2003) 242
Saito, M., see Ogawa, H. ... 212 (2003) 27
Salonen, E., K. Nordlund and J. Keinonen, Au irradiation by 25-keV Au_n ($n = 1$–65600) clusters ... 212 (2003) 286
Salzborn, E., see Hathiramani, D. ... 212 (2003) 67
Sanchez, E.A., see Guillemot, L. ... 212 (2003) 20
Sankara Sastry, V., see Santhakumar, K. ... 212 (2003) 521
Santhakumar, K., P. Jayavel, G.L.N. Reddy, V.S. Sastry, K.G.M. Nair and V. Ravichandran, The effect of nitrogen implantation on structural changes in semi-insulating InP ... 212 (2003) 197
Santhakumar, K., K.G.M. Nair, R. Kesavamoorthy and V. Ravichandran, Effect of N^+ ion implantation on n-GaN ... 212 (2003) 381
Santhakumar, K., see Jayavel, P. ... 212 (2003) 496
Santhakumar, K., R. Kesavamoorthy, K.G.M. Nair, P. Jayavel, D. Kanjilal, V. Sankara Sastry and V. Ravichandran, Synthesis of InN by N^+ implantation on InP at high temperature ... 212 (2003) 521
Sapet, M.C., see Pasquali, L. ... 212 (2003) 274
Saraiya, A., see Gupta, A. ... 212 (2003) 458
Sarkar, A., see De, U. ... 212 (2003) 505
Sarkar, S. and P. Chakraborty, Towards an understanding of MCs_n^+ formation mechanism in SIMS ... 212 (2003) 364
Sastry, V.S., see Santhakumar, K. ... 212 (2003) 197
Sastry, V.S., see Santhakumar, K. ... 212 (2003) 521
Sataka, M., see Jeong, S.C. ... 212 (2003) 483
Satpati, B., see Som, T. ... 212 (2003) 151
Satpati, B., D.K. Goswami, U.D. Vaishnav, T. Som, B.N. Dev and P.V. Satyam, Energy spike induced effects in MeV ion-irradiated nanoislands ... 212 (2003) 157
Satpati, B., see Som, T. ... 212 (2003) 206
Satpati, B., D.K. Goswami, S. Roy, T. Som, B.N. Dev and P.V. Satyam, Study of sputtered particles from gold nano-islands due to MeV self-ion irradiation ... 212 (2003) 332
Satpati, B., see Chini, T.K. ... 212 (2003) 477
Satyam, P.V., see Som, T. ... 212 (2003) 151
Satyam, P.V., see Satpati, B. ... 212 (2003) 157
Satyam, P.V., see Som, T. ... 212 (2003) 206
Satyam, P.V., see Satpati, B. ... 212 (2003) 332
Scheer, J.A., P. Wurz and W. Heiland, Scattering of slow ions from insulator surfaces at the example of molecular oxygen from LiF(1 0 0) ... 212 (2003) 291
Scheier, P., see Hathiramani, D. ... 212 (2003) 67
Schinner, A., see Sigmund, P. ... 212 (2003) 110

Sekhar, B.R., see Rundhe, M. ... 212 (2003) 314
Sekioka, T., see Terasawa, M. ... 212 (2003) 436
Sen, P., see Dogra, A. ... 212 (2003) 190
Shikama, T., see Tsuchiya, B. ... 212 (2003) 426
Shramenko, B.I., see Blazhevich, S.V. ... 212 (2003) 88
Shukla, A.K., see Biswas, C. ... 212 (2003) 297
Siddiqui, A.M., see Tripathi, A. ... 212 (2003) 402
Siddiqui, A.M., see Nageswara Rao, S.V.S. ... 212 (2003) 442
Siddiqui, A.M., see Nageswara Rao, S.V.S. ... 212 (2003) 473
Siddiqui, A.M., see Nageswara Rao, S.V.S. ... 212 (2003) 545
Sigmund, P. and A. Schinner, Anatomy of the Barkas effect ... 212 (2003) 110
Sindona, A., see Riccardi, P. ... 212 (2003) 339
Singh, F., see Mohanty, T. ... 212 (2003) 179
Singh, M., see Dogra, A. ... 212 (2003) 184
Singh, M., see Dogra, A. ... 212 (2003) 190
Singh, R.P., see Kumar, S. ... 212 (2003) 242
Singh, Y.P., U. Kadhane, D. Trautmann, P.N. Tandon and L.C. Tribedi, K-shell ionization of high Z elements with low to intermediate velocity Si ions ... 212 (2003) 72
Siva Kumar, V.V., see Dogra, A. ... 212 (2003) 184
Smith, R.J., see Ramana, C.V. ... 212 (2003) 465
Som, T., B. Satpati, P.V. Satyam, P. Ayyub and D. Kabiraj, Swift heavy ion induced formation of preferentially oriented $Au_{0.6}Ge_{0.4}$ alloy ... 212 (2003) 151
Som, T., see Satpati, B. ... 212 (2003) 157
Som, T., B. Satpati, P.V. Satyam, D. Kabiraj, P. Ayyub, S. Ghosh, A. Gupta, B.N. Dev and D.K. Avasthi, Swift heavy ion induced interface modification in Ni/Ge ... 212 (2003) 206
Som, T., see Satpati, B. ... 212 (2003) 332
Som, T., see Ghosh, S. ... 212 (2003) 431
Srinivasan, T., see Nageswara Rao, S.V.S. ... 212 (2003) 473
Srivastava, A.K., see Amirthapandian, S. ... 212 (2003) 140
Srivastava, S.K., see Kumar, S. ... 212 (2003) 242
Srivastava, S.K., see Tripathi, A. ... 212 (2003) 402
Srivastava, S.K., see Ghosh, S. ... 212 (2003) 431
Staicu-Casagrande, E.M., see Pasquali, L. ... 212 (2003) 274
Stolterfoht, N., see Sulik, B. ... 212 (2003) 32
Such, B., see Krok, F. ... 212 (2003) 264
Sugai, H., see Jeong, S.C. ... 212 (2003) 483
Sugai, I., see Ogawa, H. ... 212 (2003) 27
Sugiyama, Y., see Jeong, S.C. ... 212 (2003) 483
Sukhatankar, K.V., see Nair, G.P. ... 212 (2003) 535
Sulik, B., N. Stolterfoht, R. Hellhammer, Z. Pesić, Cs. Koncz, K. Tőkési and D. Berényi, Fermi-shuttle acceleration of electrons in ion–matter interaction ... 212 (2003) 32
Sun, Y., Z. Zhu, Z. Wang, J. Liu, Y. Jin, M. Hou, Y. Wang and J. Duan, The damage process induced by swift heavy ion in polycarbonate ... 212 (2003) 211
Sun, Y.M., see Liu, J. ... 212 (2003) 303
Szokefalvi, A., see Tripathi, A. ... 212 (2003) 402
Szymonski, M., see Krok, F. ... 212 (2003) 264

Takabayashi, Y., see Azuma, T. ... 212 (2003) 397
Takada, E., see Azuma, T. ... 212 (2003) 397
Takada, K., see Jeong, S.C. ... 212 (2003) 483
Tandon, P.N., see Singh, Y.P. ... 212 (2003) 72
Tanemura, M., see Chini, T.K. ... 212 (2003) 477
Tarus, J. and K. Nordlund, Molecular dynamics study on Si_{20} cluster deposition on Si(0 0 1) ... 212 (2003) 281
Teplova, Ya.A., see Novikov, N.V. ... 212 (2003) 96
Terasawa, M., Z.A. Insepov, T. Sekioka, A.A. Valuev and T. Mitamura, Sputtering due to Coulomb explosion in highly charged ion bombardment ... 212 (2003) 436
Terreni, S., see Pasquali, L. ... 212 (2003) 274

Thakur, A.D., see Wanchoo, S.K. ... 212 (2003) 539
Titov, A.I., V.S. Belyakov and A.Yu. Azarov, Formation of surface amorphous layers in semiconductors under low-energy light-ion irradiation: Experiment and theory ... 212 (2003) 169
Tiwari, U., see Mohanty, T. ... 212 (2003) 179
Tiwari, U., see Kumar, S. ... 212 (2003) 238
Tiwari, U., see Nageswara Rao, S.V.S. ... 212 (2003) 473
Tökési, K., see Sulik, B. ... 212 (2003) 32
Tolk, N.H., see Feldman, L.C. ... 212 (2003) 1
Tosaki, M., see Ogawa, H. ... 212 (2003) 27
Touboltsev, V., see Andersen, H.H. ... 212 (2003) 56
Toulemonde, M., W. Assman, C. Trautman, F. Gruner, H.D. Mieskes, H. Kucal and Z.G. Wang, Electronic sputtering of metals and insulator by swift heavy ions ... 212 (2003) 346
Trassl, R., see Hathiramani, D. ... 212 (2003) 67
Trautmann, C., see Liu, J. ... 212 (2003) 303
Trautmann, C., see Toulemonde, M. ... 212 (2003) 346
Trautmann, D., see Singh, Y.P. ... 212 (2003) 72
Tribedi, L.C., see Singh, Y.P. ... 212 (2003) 72
Trifonov, N.N., see Kurnaev, V.A. ... 212 (2003) 270
Tripathi, A., S.A. Khan, S.K. Srivastava, M. Kumar, S. Kumar, S.V.S.N. Rao, G.B.V.S. Lakshmi, A.M. Siddiqui, N. Bajwa, H.S. Nagaraja, V.K. Mittal, A. Szokefalvi, M. Kurth, A.C. Pandey, D.K. Avasthi and H.D. Carstanjen, Electronic sputtering from HOPG: A study of angular dependence ... 212 (2003) 402
Tripathi, A., see Ghosh, S. ... 212 (2003) 431
Tripathi, A., see Nageswara Rao, S.V.S. ... 212 (2003) 545
Tsuchiya, B., S. Nagata and T. Shikama, Oxygen ion-induced detrapping of hydrogen retained in graphite ... 212 (2003) 426
Tultaev, A.V., see Yuminov, O.A. ... 212 (2003) 516
Turos, A., see Nageswara Rao, S.V.S. ... 212 (2003) 442

Uguzzoni, A., see Drozdov, V.A. ... 212 (2003) 501
Urusov, V.A., see Kurnaev, V.A. ... 212 (2003) 270
Uskov, D.B., see Hathiramani, D. ... 212 (2003) 67

Vaishnav, U.D., see Satpati, B. ... 212 (2003) 157
Vaishnav, U.D., see Wanchoo, S.K. ... 212 (2003) 539
Valuev, A.A., see Terasawa, M. ... 212 (2003) 436
Varma, D., see Kumar, S. ... 212 (2003) 238
Varma, S., see Dey, S. ... 212 (2003) 146
Varma, S., see Dey, S. ... 212 (2003) 228
Verma, K.C., see Kumar, R. ... 212 (2003) 221
Verma, K.C., see De, U. ... 212 (2003) 505
Verma, S., see De, U. ... 212 (2003) 505
Vijay, Y.K., see Kumar, R. ... 212 (2003) 221
Vinodkumar, M., K.N. Joshipura, C.G. Limbachiya and B.K. Antony, Electron impact ionization of H_2O molecule in crystalline ice ... 212 (2003) 63
Voss, K.-O., see Müller, C. ... 212 (2003) 318

Wagner, W., see Grigoryan, L.Sh. ... 212 (2003) 51
Wanchoo, S.K., J. Jasudasan, V.C. Bagwe, A.D. Thakur, U.D. Vaishnav, S.P. Pai, A.M. Narsale and R. Pinto, Synthesis of good quality LCMO/YBCO heterostructures by pulsed laser deposition technique ... 212 (2003) 539
Wang, Y., see Sun, Y. ... 212 (2003) 211
Wang, Z., see Sun, Y. ... 212 (2003) 211
Wang, Z.G., see Liu, J. ... 212 (2003) 303
Wang, Z.G., see Toulemonde, M. ... 212 (2003) 346
Watanabe, M., see Jeong, S.C. ... 212 (2003) 483
Wethekam, S., A. Mertens and H. Winter, Survival of He^+ ions during grazing scattering from a Cu(1 1 1) surface ... 212 (2003) 308

Winter, H., A. Mertens, S. Lederer, C. Auth, F. Aumayr and HP. Winter, Electronic processes during impact of fast hydrogen atoms on a LiF(001) surface 212 (2003) 45
Winter, H., see Wethekam, S. 212 (2003) 308
Winter, HP., see Winter, H. 212 (2003) 45
Wurz, P., see Scheer, J.A. 212 (2003) 291

Yadav, A.D., see Chauhan, A.R. 212 (2003) 451
Yadav, A.D., see Bhole, K.G. 212 (2003) 525
Yahagi, M., see Jeong, S.C. 212 (2003) 483
Yamashita, K., see Bera, S. 212 (2003) 530
Yamazaki, Y., see Azuma, T. 212 (2003) 397
Yoshida, K., see Ogawa, H. 212 (2003) 27
Yuminov, O.A., see Drozdov, V.A. 212 (2003) 501
Yuminov, O.A., O.V. Fotina, A.B. Priselkova, A.V. Tultaev, S.Yu. Platonov, D.O. Eremenko and V.A. Drozdov, Internal dose assessment for ^{211}At α-emitter in isotonic solution as radiopharmaceutical 212 (2003) 516

Zhang, Q.X., see Liu, J. 212 (2003) 303
Zhu, Z., see Sun, Y. 212 (2003) 211